

CLASSIFICATION S-E-C-R-E-T
CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

CD NO.

SUPPLEMENT TO
REPORT

THIS IS UNEVALUATED INFORMATION

SOURCE As indicated

[Comment:

In most cases, the Russian transliteration of the Ukrainian name is given. However, if the Russian equivalent could not be ascertained, the Ukrainian is given in parentheses following the Russian.

Numbers in parentheses refer to appended sources.]

ADMINISTRATION

Presidium

A. V. Palladin: in addition to being President of the academy, has also been identified as the Director of the Institute of Biochemistry.(1) He gave a report to the presidium on the conference held by his institute 5-9 June 1953 on the problems of the biochemistry of muscular activity.(1)

A. N. Shcherban': author of the article "Raise the Level of Planning of Scientific Work" (1)

A. D. Kovalenko: Corresponding Member of the academy and a Scientific Secretary of the presidium, who gave a report on the further development of the work of the Institute of Agricultural Mechanics and Machine Studies (which see) (6)

V. L. Varetskiy: identified as a Scientific Secretary of the presidium (1)

Ye. M. Kondratyuk: appointed a Scientific Secretary of the presidium for biological and agricultural sciences (4)

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Library Commission of the Academy

Ye. A. Shilov has been released from his duties as Head of this commission and L. A. Bulakhovskiy, Active Member of the academy, appointed to take his place.(1)

Party Organization

O. F. Makarchenko is identified as the Secretary of the Party Organization of the academy.(6) He may be the same as the Deputy Director (Scientific) of the Institute of Physiology imeni A. A. Bogomolets.

Department of Cadres

It has been reported that A. I. Konsevich was released from his duties as Head of this department and that Galina Volodimirivna Rudenko was appointed in his place, effective 25 June 1953.(1)

* Council for Scientific and Technical Propaganda

D. I. Vakulin identified as Scientific Secretary of this council (3)

Council for the Study of Productive Forces

The following have been appointed to form the Commission for the Control of Pests and Diseases of Agricultural and Tree Crops of the council:

Head: V. P. Vasil'yev, Doctor of Biological Sciences

Active Members of the academy: A. I. Kiprianov, P. O. Sviridenko

Corresponding Members of the academy: Ye. V. Zverezomb-Zubovskiy, V. P. Muravyev

Doctors of Biological Sciences: S. P. Morochkovskiy (Deputy Head), M. A. Telenga, D. F. Rudnev

Candidates of Biological Sciences: A. I. Petrukha (O. I. Petrukha), A. N. Nevkrita (Scientific Secretary)

Candidate of Agricultural Sciences: V. F. Peresipkin

Agronomist: A. L. Verkhlovskiy (2)

Commission for the Compilation of a Single Classification and Nomenclature of Soils in the Ukrainian SSR

The following have been appointed to the commission:

Head: A. N. Sokolovskiy (O. N. Sokolovskiy), Active Member of the academy

Active Member of the academy: P. A. Vlasyuk

Doctor of Agricultural Sciences: M. M. Godlin

Candidates of Agricultural Sciences: A. M. Grinchenko (O. M. Grinchenko), G. S. Grin', O. M. Mozheyko, M. K. Krupskiy, G. M. Sambur, N. B. Vernander (2)

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DEPARTMENT OF AGRICULTURAL SCIENCES

Institute of Plant Physiology and Agricultural Chemistry

In September 1953, the presidium released A. I. Dushechkin (O. I. Dushechkin), Active Member of the academy, from his duties as Director of the institute because of his health, but retained him as Head of the Laboratory of Agricultural Chemistry of the institute. At the same time, P. A. Vlasyuk was appointed Director in his place, with no change in his duties as Head of the Department of Agricultural Sciences. (4)

Vlasyuk has published the following two articles:

"The Influence of Various Types of Potassium and Other Fertilizers on the Harvest of Agricultural Crops Under the Conditions of the Ukraine." (2) This article mentions work on the subject done by the Laboratory of the Physiology of Living Plants of the institute.

"Direct Science to the Further Development of Agriculture in Our Country" (4)

Other members of the institute who have been identified are:

A. I. Kukhareenko and Ye. I. Nosovskaya, authors of the article "The Migration of Phosphoric Acid From Granules of a Superphosphate" (7)

A. P. Yashchuk, Candidate of Agricultural Sciences (1), who is Head of an unnamed division of the institute (6)

F. L. Kalinin, Candidate of Biological Sciences and Scientific Associate of the institute, who was reported in October to have been awarded a one year's Doctorantship (4)

Institute of Silviculture

The following members of the institute have been identified by their published works:

R. F. Bessarab: coauthor with P. G. Krotkevich of the article "The Fatty Oil of the *Carya olivaeformis*, *Carya alba* and *Carya amara*" (7)

A. K. Kovalevskiy: "The Problem of Interrelationships Between Different Wood Species in Tree Nurseries" (10)

P. G. Krotkevich: "A New Method for Impregnating Wood While Growing" (12). See also R. F. Bessarab above

P. S. Pasternak: "The Effect of Siberian Acacia on the Subsoil Form of Nitrogen in Forest Soils" (10)

S. M. Stoyko: "The Problem of the Study of Certain Varieties of *Quercus robur* L" (12)

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Laboratory of Soil Studies

The following have been identified as members:

A. N. Nevkrita, Candidate of Biological Sciences (1)

D. F. Rudnev, Candidate of Biological Sciences. (1) Author of the article "Ways of Improving the Effectiveness of Insecticides for the Control of Tree Pests." In this article, he describes work done at the "Goristi" National Park (of the academy) with DDT and Gammexane (Gamma-hexachlorocyclohexane). (3)

Institute of Agricultural Mechanics and Machine Studies

The following were reported to have been confirmed as members of the Scientific Council of the institute in October 1953:

Active Members of the Academy: A. A. Vasilenko, Director of the institute, S. V. Serensen, A. Yu. Ishlinskiy

Corresponding Members of the Academy: P. M. Vasilenko, B. D. Grozin, Professor V. S. Kramarov, Doctor of Technical Sciences

Candidates of Technical Sciences: M. I. Lyushin, B. M. Seredenko, S. B. Zeligman, I. S. Grigor'yev, M. Ye. Garf, G. A. Vasilenko, I. I. Vasilenko (4)

The following divisions of the institute were mentioned in a report by A. D. Kovalenko on the further development of scientific research by the institute in the light of the September Plenum of the Central Committee of the Communist Party Ukrainian SSR:

Division of Agricultural Machines

Division of the Theory of Agricultural Machines and Mechanisms

Division of Tractor Power [electrical power plants for tractors]

Division of the Technology of Agricultural Machine Building

Division of the Power Rating of Agricultural Machines and Tractors (6)

At the same time, it was reported that B. M. Seredenko and S. S. Grigor'yev (the same as I. S. Grigor'yev above?) were the Heads of unnamed divisions in the institute. (6)

Other members identified with the institute are:

A. V. Chernovol, Aspirant, V. V. Dubrov, Junior Scientific Associate, and Yu. I. Gez, Engineer, all of whom gave reports at a scientific and technical conference on problems of the theory and technology of the production and utilization of high-strength cast irons, which conference was held at Kiev 28 June-1 July 1953 (3)

Institute of Entomology and Phytopathology

A July 1953 source stated that V. P. Murav'yev (V. P. Muravyov), Corresponding Member of the academy, had been released at his own request from his duties as Director of the institute, but that he had remained as Head of the Laboratory of Phytopathology in the institute. At the same time, the presidium was reported to have appointed V. P. Vasil'yev, Doctor of Biological Sciences, to be Director, the position to be in addition to his job as Head of the Laboratory of Toxicology and the Chemistry of Insectofungicides of the institute. (1)

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On 30 November 1953, Vasil'yev showed a group of visiting Finnish scientists around the institute, including the Laboratories of Entomophages, Phytopathology, and Toxicology.(6)

M. A. Telenga, Doctor of Biological Sciences, has been identified as the Deputy Director of the institute.(4)

The following are members of the institute:

V. D. Arkhipova: "Acorns Previously Treated With a Mordant" (8)

V. A. Markhaseva and V. A. Sidorenko: "The Effect of Certain Factors of External Environment on the Growth of Puccinia glumarum on Wheat" (16)

Sector of Animal Husbandry

This institute has been identified as coming under the jurisdiction of the Department of Agricultural Sciences (5), and may have been formed from the Commission for Plant and Animal Husbandry (see FDD Summary 28, page 420).

The presidium of the academy released Kh. I. Klasen, Candidate of Agricultural Sciences, from his duties as Head of the sector on 5 June 1953, but retained him as a Senior Scientific Associate in the sector. At the same time, Professor P. D. Pshenichniy, Doctor of Agricultural Sciences, was appointed Head in his place.(1)

The following were appointed as the Scientific Council of the sector:

Head: P. D. Pshenichniy, Doctor of Agricultural Sciences

Doctors of Agricultural Sciences: Professors L. K. Greben', A. V. Kvasnit-skiy, M. F. Guliy, M. M. Kolesnik, M. A. Kravchenko

Doctor of Veterinary Sciences: Professor A. K. Skorokhodko

Candidates of Agricultural Sciences: I. G. Zorin, S. F. Baranetskiy, Kh. I. Klasen

A. I. Plishko, Deputy Head of the Main Administration of Economic Cooperatives (RADGOSPIV), Ministry of Agriculture and Procurement Ukrainian SSR (3)

In November 1953, the sector was authorized by the presidium to hold a conference on the problems of methods of zootechnical research.(5)

Institute of Genetics and Selection

Identified as under the jurisdiction of the Department of Agricultural Sciences.(5) The only member identified is M. A. Gurileva.(11)

DEPARTMENT OF PHYSICOMATHEMATICAL, CHEMICAL, AND GEOLOGICAL SCIENCES

The name of this department was expanded by order of the presidium on 3 November 1953.(6) A. I. Kiprianov, Active Member of the academy and Director of the Institute of Organic Chemistry, has been identified as Head of the department.(5)

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S-E-C-R-E-TMain Astronomical Observatory of the Academy

No further information

Institute of Mathematics

An August 1953 source stated that the presidium had appointed K. L. Rvachev, Candidate of Physicomathematical Sciences, to be Scientific Secretary of the institute in the place of K. V. Zadirak. The latter was retained by the institute as a Senior Scientific Associate.(2)

The Presidium was reported to have approved the institute's holding the Third All-Union Conference on the Theory of Probabilities and Mathematical Statistics.(3) The conference was held in Kiev between 28 September and 2 October 1953, and a three-page report was published by Rvachev in source 5.

Other members of the institute and their works are:

V. Ye D'yachenko, Corresponding Member of the academy: "Electrical Modeling of Equations of the Elliptic Type." This paper was written with N. A. Tantsyura from the institute (9), but it should be noted that in 1947 D'yachenko was working in the Institute of Electrical Engineering of the academy (13).

P. F. Fil'chakov: "The Problem of the Definition of the Christoffel-Schwartz Constant for the Hydromechanical Calculation of a Two-Grooved [Spillway of a] Dam" (11); "The Problem of the Electrical Modeling of Problems of the Hydraulics of Open Water Currents" with A. M. Senkov (12); "Hydraulic Calculation of a Dam With Two Grooves and a Finite Depth of Permeable Soil" (7)

B. V. Gnedenko, Active Member of the academy and Head of the Organizational Committee for the Third All-Union Conference on the Theory of Probabilities and Mathematical Statistics: "The Struggle of Materialism With Idealism in Mathematics" (5)

V. Ye. Shamanskiy: "The Problem of Conformal Reflections of Close Domains With Fixed Points on the Boundary in Filtration Theory".(9)

Yu. D. Sokolov, Corresponding Member of the academy: working on the mathematical solution of hydromechanical problems (7)

A. A. Yushchenko: "Large Buckling in Rectangular Membranes" (8); "Pressures in a Connecting Layer," with M. Ye. Temchenko (11)

Institute of General and Inorganic Chemistry

A. V. Dumanskiy, Active Member of the academy has been identified as the Director of the Institute.(4)

An August 1953 source stated that the presidium had approved the inclusion of Ye. M. Natanson and I. A. Sheka, both Doctors of Chemical Sciences, as members of the Scientific Council of the institute.(2) (The names of the other members of the Scientific Council are not known.) Natanson and Sheka are also members of the combined Scientific Council of the Institutes of General and Inorganic Chemistry and Organic Chemistry (see next page).

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A. N. Shcherban', the Chief Scientific Secretary of the academy, in his article "Raise the Level of Planning of Scientific Work," stated that the institute had solved the problems "The Chemistry of Complex Compounds" and "The Chemistry of Nonferrous and Rare Metals." (1)

Other members of the institute and their works are:

Yu. K. Delimarskiy and I. D. Panchenko: "Polarographic Investigation of Molten Salts Against a Background of Molten Saltpeter" (14)

F. D. Ovcharanko: "The Electrokinetic Potential of Clays" (11)

Institute of Organic Chemistry

Members identified and their works:

P. V. Golovin, Corresponding Member of the academy and Head of the Laboratory of the Chemistry and Technology of Sugar Substances of the institute. This laboratory deals with the industrial refining of sugar. (4)

A. I. Kiprianov: "Synthesis of Derivatives of 1,2-Benzophenazine," with M. M. Kroshchenko (14)

P. S. Pel'kis: author of a biographical article on V. P. Yavorskiy, a chemist who died in 1942 (14)

S. B. Serebrvanyy: "Synthesis of Derivatives of 1-Oxyphenazine" (14)

Combined Scientific Council of the Institutes of General and Inorganic Chemistry and Organic Chemistry

It was reported that the presidium had confirmed the following to form the combined Scientific Council of these institutes. The duties of this council are not known.

Head: A. I. Kiprianov, Active Member of the academy

Active Members of the academy: A. V. Dumanskiy, A. I. Grodskiy, Ye. A. Shilov

Corresponding Members of the academy: A. K. Babko, Ye. S. Burkser, V. A. Izbekov (V. O. Izbekov), P. V. Golovin, Ya. N. Fialkov

Doctors of Chemical Sciences: Yu. K. Delimarskiy, Ye. M. Natanson, I. A. Sheka, O. K. Kudra

Doctors of Technical Sciences: V. G. Savinov, L. A. Kul'skiy

Candidates of Chemical Sciences: D. P. Zosimovich, M. M. Gratsianskiy, O. A. Shokol, V. I. Kuznetsov (8)

Institute of Physical Chemistry imeni L. V. Pisarzhevskiy

The following members have been identified:

Z. Z. Visotskiy and I. Ye. Neymark: "The Effect of Reception Conditions on the Structure and Sorption Properties of Aluminosilica Gels." (7) This article mentions work done in the Laboratory of Adsorption Processes of the institute. "Applicability of the Mechanism of the Formation of the Porous Structure of Hydrophilous Helium to Mixed Sorbents" (12)

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V. I. Urizko and M. V. Polyakov: "Research on the Kinetics of Oxidation of Methane in Formaldehyde" (12)

A. N. Shcherban', in his article "Raise the Level of Planning of Scientific Work," stated that the institute has successfully solved the problem "The Properties and Structure of Liquids." (1)

Laboratory of Metal Physics

The following have been identified with the institute:

M. A. Krivogla: "The Theory of Diffusion of Imbedded Atoms Between Nodes of Crystal Lattice of an Ordered Alloy" (11)

A. S. Iashko: "A New Trigonometric Method for Calculating the Distribution Curve of Atoms of a Liquid From X-Ray Data" (9)

L. I. Lisak and L. G. Khandros: "The Change of the Quantity of Austenite Remaining During Deformation of U12A Steel" (10)

Institute of Geological Sciences

On 15 June 1953, the presidium of the academy appointed V. G. Bondarchuk, Active Member of the academy, Director of the institute (1) and stated in source 2 that he had been confirmed as Head of the Scientific Council of the institute.

At the same time that Bondarchuk's appointment was announced, it was stated that the Deputy Director (Scientific), A. Ye. Babintsy, Candidate of Geological and Mineralogical Sciences, had been released from the position of Acting Director after filling it for 3 years and that V. T. Syabryay, Candidate of Geological and Mineralogical Sciences and Senior Scientific Associate of the institute, had been released from his post as Acting Deputy Director (Scientific). (1)

Other members of the institute and their published works are:

P. K. Zamoriy and T. A. Tkachenko: "New Data on the Finding of Volcanic Ash in a Stratum of the Quaternary Deposits of the USSR." This article stated that T. G. Gorchiyenko had carried out chemical analysis for the authors in the Laboratory of Silicate Analysis of the institute. (7)

Ye. S. Burkser, Corresponding Member of the academy, acted as host to a visiting Chinese delegation [redacted].

Institute of Physics

I. D. Konozenko, Candidate of Physicomathematical Sciences, was confirmed by the presidium as scientific secretary of the institute. (4) (This is the only reference to either the Institute of Physics or the Physicotechnical Institute of the academy in the source material covered [redacted])

DEPARTMENT OF TECHNICAL SCIENCES

B. D. Grozin, Corresponding Member of the academy, is Deputy Head of the department. (5)

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S-E-C-R-E-TInstitute of Ferrous Metallurgy

The following were reported to be members of the Scientific Council of the institute:

Head: Z. I. Nekrasov, Corresponding Member of the academy and Director of the institute

Active Members of the academy: M. M. Dobrokhotoy, M. V. Lugovtsov, V. M. Svechnikov, A. P. Chekmarev

Corresponding Members of the academy: K. P. Bunin, S. M. Kozhevnikov, K. F. Starodubov

Doctors of Technical Sciences: S. T. Tostovtsev, V. Y. Lapitskiy

Professor Yu. D. Semikin (Y. D. Semikin)

Candidates of Technical Sciences: M. I. Krasavtsev, V. M. Klimenko, V. D. Chekhranov, G. P. Pukhnarevich

I. I. Korobov, Director of the Dnepropetrovsk Metallurgical Plant imeni Petrovskiy

G. G. Oreshkin, Chief Engineer of the Dneprodzerzhinskiy Metallurgical Plant imeni G. G. Oreshkin and a Stalin Prize winner (5)

N. A. Voronova, Candidate of Technical Sciences, has been identified as a Scientific Associate of the institute.(3)

Institute of Thermal Power Engineering

I. T. Shvets, Active Member of the academy, published a paper entitled "The Communist Party in the Struggle for the Electrification of the Soviet Union."(6)

Institute of Electrical Engineering

The following and their works have been identified with the institute:

V. L. Inosov, Doctor of Technical Sciences: "Calculation of Currents and Voltages in Excitation Winding Circuits of an Exciter Under Boosting or De-Excitation," with V. L. Tsukernik, Candidate of Technical Sciences. This article notes that the institute cooperates with Elektrosila Plant imeni Kirov in the development and introduction into production of compounding equipment and an electromagnetic voltage corrector.(15)

A. G. Ivakhnenko: author of the book Automatic Speed Regulation of Low-Power Induction Motors, Izdvo Akademii Nauk USSR, 1953 (6)

A. D. Nesterenko: author of the book Basis of Calculation of Electrical Measuring Balancing Motors, Izdvo Akademii Nauk USSR, 1953 (6)

S. I. Tetel'baum, Corresponding Member of the academy: "One Case of the Movement of Electrical Charges in an Electromagnetic Field" (12)

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Institute of Construction Mechanics

The Scientific Council of the institute has been expanded and is now composed of the following:

Head: F. P. Belyankin, Active Member of the academy

Active Members of the academy: M. M. Bogolyubov, A. Yu. Ishlinskiy, M. V. Kornoukhov, Ye. O. Paton (now deceased) (2), G. M. Savin, K. K. Khrenov

Corresponding Members of the academy: B. D. Grozin, A. D. Kovalenko, A. M. Pen'kov (O. M. Pen'kov)

Doctors of Technical Sciences: P. M. Varvak, Yu. A. Mitropol'skiy, G. S. Pisarenko, V. G. Chudnovskiy

Candidates of Technical Sciences: M. D. Khudin, K. I. Kolenchuk, S. V. Malashenko, M. M. Studzinskiy, M. I. Chernyak, P. S. Polyakov (Scientific Secretary) (2)

Members of the institute and their works:

M. I. Dlugach: "The Solution of Mixed Problems of the Theory of Elasticity by the Networks System" (12)

D. A. Draygor: "The Nature of Structural Changes in Surface Layers of Tempered Steel in Mechanical Development" (7)

V. O. Kononenko: "An Impulse Vibration Damper" (12)

S. V. Malashenko: may be a member of the Physicotechnical Laboratory of the institute, as he gave a description of new testing machines of the laboratory at the seminar on problems of mechanics held in the Department of Technical Sciences on 16 February 1952 (1)

V. M. Semirog-Orlik: Scientific Associate of the institute (10)

P. M. Varvak: "A Method of Approximate Solution of the Three-Dimensional Problem of the Theory of Elasticity" (10)

D. V. Vaynberg: "Deformation of Conical Gears" (12)

Institute of Mining imeni M. M. Fedorov

The following have been identified with the institute in their published works:

O. M. Kryzhanovskiy: "Approximate Method of Investigating the Stability of Discontinuous Regulation Systems for Cutting Machines and Coal Combines With Pulsators in the Feed" (8), "Calculation of Integral Criteria of Optimum Operation of Regulation Processes" (9), "Approximate Method of Investigating Discontinuous Regulation Systems for Cutting Machines and Coal Combines With Ratchet Feed" (9), "Quadratic Criteria of the Quality of Transition Processes of Regulation Processes, Defined by Linear Differential Equations With Continuous Coefficients" (9), "Investigation of Discontinuous Regulation Systems of Cutting Machines and Coal Combines With a Pulsator in the Feed and a Constant-Speed Servomotor" (10)

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L. A. Shoykhet: "Definition of the Most Favorable Continuous Loading of a Cutting Combine Engine in Relation to Its Heating Up" (9), "Transitional Heat Processes in Noncontinuous Work of Cutting Combine Engines" (10), "Definition of Differential Equations of Heating of an Electric Motor From Given Data" (7)

K. I. Tatomir: "A Method of Calculating the Area of Cross Section of Development Systems of Coal Fields" (10)

Institute of Hydrology and Hydraulic Engineering

The following members and their works have been identified:

L. I. Dyatlovitskiy: "The Pressure on the Bottom of a Stamp With Two Flanges Under a Central Force" with O. Ya. Garkavi (8), "The Reduction of the Two-Dimensional Theory of Elasticity With Volumetric Forces to the Contour Problem in the Linear Distribution of Volumetric Forces" (9)

M. A. Kochergura: "The Coefficient of Discharge of a Circular Overflow With a Free Passage for Air Underneath the Jet" (7)

M. V. Litvinov: "The Solution of the Two-Dimensional Problem of the Theory of Elasticity for an Infinite Strip by the Finite Difference Method" (8)

I. L. Rozovskiy: "Experimental Investigation of the Starting Point in an Open Canal" (7)

G. I. Sukhomel, Active Member of the academy and Director of the institute (see OO-W-28497): "Waves and Wave Resistance in the Movement of Ships in Canals and Rivers" (12)

Institute of Gas Utilization

No further information

Institute of Machine Studies and Automatics

See L'VOV AFFILIATE

Laboratory of Problems of High-Speed Machines and Mechanisms

No further information

Laboratory of Special Alloys

No further information

Institute of Electric Welding imeni Ye. O. Paton

B. Ye. Paton, Corresponding Member of the academy and Doctor of Technical Sciences, was appointed Director of this institute by the presidium.(4) It is not known if he is the son of Ye. O. Paton, Active Member of the academy, who died at the age of 84.(2) The name of B. Ye. Paton's predecessor is not given.

M. S. Khrushchev was responsible for a series of propaganda lectures given by the Wagon (Ukrainian, "Vagon") Laboratory of the institute.(6)

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DEPARTMENT OF BIOLOGICAL SCIENCES

P. O. Sviridenko, Active Member of the academy, was stated to be the Acting Head of the department in a September 1953 source.(3) Later sources, however, state that R. Ye. Kavetskiy is still the Head of the department.(6) Sviridenko is the author of the article "The Modification of Mammal Fauna in the Southern Ukraine."(3)

Institute of Microbiology imeni D. K. Zabolotnyy

A. G. Drobotko, Active Member of the academy, was identified as the Director of the institute when he gave the opening address at the Republic Conference on the Problems of the Variability of Microorganisms, which was held in Kiev 15-18 April 1953.(16)

Other members of the institute and their works are as follows:

B. Ye. Ayzenman: "Certain Characteristics of the Metabolism of the Typhoid Bacillus. I. Sources of Nutritive Nitrogen Materials for Typhus Bacilli" (16)

M. K. Karpenko: "Investigation of the Dynamics of Phosphorus in the Process of Acetone-Butyl Alcohol Fermentation" (16)

T. P. Mandrik: "The Action of Streptomycin, Synthomycin, and Levomycetin on the Dysentery Bacillus" (16)

L. I. Rubenchik, Corresponding Member of the academy, M. N. Chernobyl'skaya, V. T. Smaliy: "The Use of Azotobacterin Under Pear and Apple Saplings" (16)

P. Ye. Vizir, Candidate of Medical Sciences, V. M. Shur-shults, A. M. Pasichnik: "The Modification of Microorganisms by Assimilation of Bacteria Products. I. General Biochemical and Serological Characteristics of Variants."(16) By Vizir alone: "The Role of Russian Science in the Development of Problems of Antibiotics" (3)

S. I. Zelepukha: "The Action of Antibiotics on the Diphtheria Bacillus and Infection. II. The Action of Streptomycin on the Diphtheria Bacillus and Infection" (16)

Institute of Botany

Division of Higher Plants

Professor M. I. Kotov has been identified as Head of the Division.(6)

Division of Cytology and Embryology

Ya. S. Modilevskiy, Corresponding Member of the academy, showed Finnish visitors around the division.(6) As he is a member of the Scientific Council of the institute, it is possible that he is the Head of the division. He is author of the book Embryology of Covered Seed Plants, published by Izdvo Akademii Nauk UKSSR, 1953.(6)

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Division of Mycology

Professor S. F. Morochkovskiy showed the Finnish visitors around the herbarium of the division.(6) As he is a member of the Scientific Council of the institute, Morochkovskiy may be Head of the division.

M. V. Klovov has been identified as a Senior Scientific Associate of the institute.(3)

Division of Geobotany has been identified, but none of its personnel are known.(6)

Botanical Gardens

A commission for inquiry into the garden reported to the presidium the state of its construction. The following were stated to be members of the commission:

A. S. Skorodumov, Candidate of Agricultural Sciences, P. O. Sviridenko, Acting Head of the Department of Biological Sciences, and V. P. Chopovskiy, Head of the Department of Capital Construction of the academy (3)

The following were appointed to form the Scientific Council of the gardens:

Head: M. M. Grishko, Active Member of the academy and Director of the gardens

Candidates of Biological Sciences: V. A. Makarevich (Deputy Head), M. I. Bondar (Scientific Secretary), I. O. Drig, A. I. Sokolovskiy (O. I. Sokolovskiy), I. M. Shaytan

Candidates of Agricultural Sciences: M. M. Vil'shinskiy, G. V. Dmitriyev (4)
Institute of Physiology imeni A. A. Bogomolets

The following were appointed to form the Scientific Council of the institute:

Head: A. M. Voroby'ev, Corresponding Member of the academy and Director of the institute

Active Members of the academy: R. Ye. Kavetskiy, A. V. Kvasnitskiy, V. P. Komisarenko, V. P. Protopopov, A. I. Smirnova-Lamkova, G. V. Pol'bort

Corresponding Members of the Academy of Medical Sciences USSR: M. M. Gorev, V. M. Ivanov

Corresponding Members of the academy: A. D. Timofeyevskiy, N. B. Medvedeva, M. M. Sirotinin

Doctors of Medical Sciences: Professor A. A. Gorodetskiy, Professor Yu. A. Spasokukotskiy, N. V. Bazhan-Lauer, V. D. Yankovskiy, Professor Ye. V. Kolpakov

Candidates of Medical Sciences: A. V. Makarchenko, P. V. Biryukovich (1)

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The following laboratories and their heads have been identified in addition to those given []

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Laboratory of the Control of Silicosis

The presidium has ordered the organization of this laboratory, and has appointed Professor V. K. Havrotskiy, Corresponding Member of the Academy of Medical Sciences USSR, to be its Head. The laboratory is to be located in Khar'kov.(2)

Laboratory of Biophysics

A. A. Gorodetskiy was confirmed as Head of this laboratory by the presidium.(2) Gorodetskiy is author of the article "Radiation Therapy of Cancer Metastases," in which he states that N. A. Zhoga is an associate of his laboratory.(18)

Laboratory of the Morphology of the Nervous System

A. I. Smirnova-Zamkova, Active Member of the academy, was confirmed as Head of the laboratory by the presidium.(2)

The following information is available on those laboratories and divisions mentioned []

50X1-HUM

Laboratory of Physiology of Circulation of the Blood and of Breathing

Head: N. N. Gorev (M. M. Gorev). He is the author of the article "The Pathogenesis of Hypertension," in which he states that M. I. Gurevich, T. I. Orlova, and A. I. Vishatina are associates of the laboratory.(18)

Laboratory of Endocrinal Functions

K. P. Zak: "Variations of Peripheral Blood in White Mice Under the Action of Synestrol" (This report was written from the Laboratory of Endocrinology, which is assumed to be a less formal title of the laboratory.) (18)

Division of Clinical Physiology

I. V. Kas'yanenko: "The Effect of Milk on the Secretory and Evacuatory Functions of the Human Stomach in Different Functional Conditions" (18)

Other Members of the institute and their works are:

E. E. Chebotarev: "The Effect of Treatment of Cancer of the Lactic Glands on the Action of the Endocrinic Organs" (18)

M. N. Levchenko: "Hemotransfusion Shock in Newly Born Animals" (18)

P. A. Sakun: "Leucolithic Properties of Blood Serum and Their Changes Under X-Ray Radiation in Experimental Cancer" (17)

I. V. Savitskiy: "Modifications of the Nitrogen Protein Composition of Blood in Rabbits Under the Effect of Transplanted Skin Preserved at Low Temperatures."(17) This work was done under the direction of N. B. Medvedeva and R. Ye. Kavetskiy.

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N. M. Turkevich: "Certain Characteristics of the Conditioned-Reflex Activity of Mice in the Development of Cancer" (17)

N. V. Yermakov and L. M. Kuznetsova: "The Effect of Bloodletting and Blood Transfusion on Filling With Blood the Spinal Cord of Rabbits of Various Age Groups." This article states that Yu. L. Petrov is a member of the same laboratory in which the authors work.(18)

Z. D. Zekhov: "The Mechanism of the Formation of Redistributing Blood Reactions Under the Effect of Corticotonine, Adrenalin, and Desoxycorticosterone" (17)

Books

A review stated that the institute publishes, through the publishing house of the academy, a periodical Voprosy Fiziologii. Zbirnik Institutu Fiziologii imeni O. O. Bogomolets (Problems of Physiology. Symposium of the Institute of Physiology imeni A. A. Bogomolets). Numbers 3, 4, and 5 of this series have been published. Number 4 was devoted to the 70th birthday of V. P. Protopopov, Active Member of the academy, and was edited by R. Ye. Kavetskiy.(2)

Institute of Hydrobiology

G. G. Korotkovich, author of the article "Assistance Given by Scientists to a Fishing Kolkhoz," may be a member of this institute.(1)

Institute of Biochemistry

V. P. Korotkoruchko, Candidate of Biological Sciences, was appointed to a Doctorantship in biochemistry in the academy (presumably in association with this institute) by the presidium.(4) (See also under A. V. Palladin, President of the academy)

Institute of Zoology

V. G. Kas'yanenko, Active Member of the academy (3), has been appointed Director of the institute by the presidium.(4)

I. G. Pidoplichko, Doctor of Biological Sciences, has been identified as the Head of the Division of Paleozoology.(3)

S. V. Shilov stated in his article "Research on the Change of Dynamometric Indicators of the Thread of the Oak Silkworm in Degumming in an Autoclave" that the work has been carried out in the Division of Acclimatization and Selection of the institute.(11)

G. U. Lindberg, Doctor of Biological Sciences, is a Senior Scientific Associate of the institute.(3)

L'VOV AFFILIATE

V. G. Khrzhanovskiy was released by the presidium from his duties as Deputy Head of the affiliate and returned to his scientific activities. At the same time, A. L. Paventskiy (O. L. Pavents'kiy) was appointed Acting Deputy Head of the affiliate for general duties.(2)

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No further information

Institute of Agrobiology

P. A. Vlasyuk, Head of the Department of Agricultural Sciences and Director of the Institute of Plant Physiology and Agricultural Chemistry, mentioned the Division of Animal Husbandry of the institute in his article "Direct Science to the Further Development of Agriculture in Our Country." (4)

Institute of Natural Sciences

No further information

Institute of Machine Studies and Automatics

This institute has been definitely identified as a part of the affiliate. V. P. Sigorskiy has been identified as the Deputy Director. (1)

Other members and their works are:

K. B. Karandeyev and B. I. Shvetskiy: "The Problem of Automation of AC Bridges" (11)

Ya. S. Podstrigach: "Pressures in a Plane Weakened by Two Unequal Curved Perforations" (12)

SOURCES

1. Kiev, Visnik Akademii Nauk UkrSSR, No 7(200), Jul 53
2. Ibid., No 8(201), Aug 53
3. Ibid., No 9(202), Sep 53 .
4. Ibid., No 10(203), Oct 53
5. Ibid., No 11(204), Nov 53
6. Ibid., No 12(205), Dec 53
7. Kiev, Dopovidi Akademii Nauk UkrSSR, No 1, 1953
8. Ibid., No 2, 1953
9. Ibid., No 3, 1953
10. Ibid., No 4, 1953
11. Ibid., No 5, 1953
12. Ibid., No 6, 1953
13. Soviet Men of Science (CIA/CD 1)

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14. Kiev, Ukrainskiy Khimicheskiy Zhurnal, Vol 19, No 1, 1953
15. Moscow, Elektrichestvo, No 12, 1953
16. Kiev, Mikrobiologichniy Zhurnal, Vol 25, No 3, 1953
17. Kiev, Medichniy Zhurnal, Vol 23, No 4, 1953
18. Ibid., No 5, 1953

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